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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,706	12/22/2000	Vijayaraghavan Doraiswami	081862.P220	9666

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EXAMINER

PATEL, NIKETA I

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 10/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/746,706

Applicant(s)

DORAISWAMI, VIJAYARAGHAVAN

Examiner

Niketa I. Patel

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 July 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 10, 19 and 28 is/are rejected.
- 7) ☒ Claim(s) 2-9, 11-18, 20-27 and 29-36 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

H. M. Fleming
FRITZ FLEMING
PRIMARY EXAMINER
GROUP 2100

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 10 and 28 are rejected under 35 U.S.C. 102(b) as being anticipated by Baumgartner et al. U.S. Patent Number: 5,138,614 (hereinafter referred to as "*Baumgartner*".)

3. **Referring to claim 1**, *Baumgartner* teaches a method comprising: receiving a logical connection number (LCN) associated with a first logical connection from a connection command [see column 5 - lines 15-33, 'incoming LCN']; using the LCN as a first index to a location in a first memory area to retrieve a second index to a location in a second memory area [see column 5, lines 15-48, 'MCN/MCN m' and 'multicast control table']; and using the second index to access the first logical connection from the location in the second memory area [see column 5 - lines 15-48.]

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4. **Referring to claim 10**, *Baumgartner* teaches a computer readable medium having stored thereon sequences of instructions which are executable by a digital processing system, and which, when executed by the digital processing system, cause the system to perform a method, comprising: receiving a logical connection number (LCN) associated with a first logical connection from a connection command [see column 5 - lines 15-33, 'incoming LCN']; using the LCN as a first index to a location in a first memory area to retrieve a second index to a location in a second memory area [see column 5, lines 15-48, 'MCN/MCN m' and 'multicast control table']; and using the second index to access the first logical connection from the location in the second memory area [see column 5 - lines 15-48.]

5. **Referring to claim 28**, *Baumgartner* teaches a system comprising: means for receiving a connection command from an active card, the connection command associated with a logical connection number (LCN) of a first logical connection [see column 5 - lines 15-48, 'incoming LCN']; and means for processing the connection command comprising: means for using the LCN as a first index to a location in a first memory area to retrieve a second index to a location in a second memory area [see column 5, lines 15-48, 'MCN/MCN m' and 'multicast control table']; and means for using the second index to access the

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first logical connection from the location in the second memory area [see column 5 - lines 15-48.]

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Coan et al. U.S. Patent Number: 5,093,824 (hereinafter referred to as "*Coan*") and further in view of Baumgartner et al. U.S. Patent Number: 5,138,614 (hereinafter referred to as "*Baumgartner*".)

8. **Referring to claim 19**, *Coan* teaches a system comprising: a standby card to receive a connection command from an active card, the connection command associated with a logical connection number (LCN) of a first logical connection, the standby card processing the connection command on the standby card [see *Coan* column 7 - lines 60-67; column 8 - lines 1-5, 49-

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58], however fails to explicitly set forth the limitation of said processing comprises: using the LCN as a first index to a location in a first memory area to retrieve a second index to a location in a second memory area; and rising the second index to access the first logical connection from the location in the second memory area. *Baumgartner* teaches of using the LCN as a first index to a location in a first memory area to retrieve a second index to a location in a second memory area [see *Baumgartner* column 5 - lines 15-48, 'incoming LCN', 'outgoing LCN', 'MCN/MCN m' and 'multicast control table']; and using the second index to access the first logical connection from the location in the second memory area [see *Baumgartner* column 5 - lines 15-48], allowing the connection information to be stored either in a central control entity or an intra-switch path information in the individual switches of the network.

One of ordinary skill in the art at the time of applicant's invention would have clearly recognized that it is quite advantageous for the system of *Coan* to be able to store connection information either in a central control entity or an intra-switch path information in the individual switches of the network. It is for this reason that one of ordinary skill in the art would have been motivated to implement the system with an ability to store connection information either in a central

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control entity or an intra-switch path information in the individual switches of the network.

Allowable Subject Matter

9. Claims 2-9, 11-18, 20-27 and 29-36 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

10. Applicant's arguments filed 7/12/2004 have been fully considered but they are not persuasive.

The applicant argues that the *Baumgartner* reference fails to teach "using the LCN as a first index to a location in a first memory area **to retrieve a second index to a location in a second memory area.**" (Emphasis added.)

The Examiner respectfully disagrees with this argument. *Baumgartner* teaches to retrieve a second index [see column 5, lines 15-48, 'MCN/MCN m'] to a location in a second memory area [see column 5, lines 15-48, 'multicast control table.']. The 'MCN/MCN m' is obtained through a packet translation table by

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using incoming LCN as an index. The same 'MCN/MCN m' is later used as an index to access a multicast control table to obtain an outgoing LCN.

Conclusion

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Niketa I. Patel whose telephone number is (703) 305 4893. The examiner can normally be reached on M-F 8:00 A.M. to 5:00 P.M.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (703) 308 3301. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

The above listed phone numbers of the examiner Niketa I. Patel and the examiner's supervisor, Jeffrey A. Gaffin are effective until October 12, 2004. After October 12, 2004 Niketa I. Patel can be reached at (571) 272-4156 and Jeffrey A. Gaffin can be reached at (571) 272-4146.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP
10/4/2004


FRITZ FLEMING
PRIMARY EXAMINER
GROUP 2100